

FOR SMOOTHER FLOW OF PEOPLE AND GOODS

KONE SLIDING DOOR SOLUTIONS



Key benefits:

- Exceeds the highest standards regarding safety, durability and flexibility
- Suitable for many different types of buildings
- Equipped with an intelligent control system that is easily adjusted for many different environments
- Space-efficient
- Plug and play installation
- Several features to guarantee the safety of users
- Fire resistant and burglar proof options
- Escape route, hermetical sealing and inside options

KONE sliding doors feature a powerful, fully automatic sliding door operator, suitable for single, double, telescopic and curved sliding doors. They can be adjusted for the demands of many environments.

Intelligent door operators

KONE offers two versions of this door operator: the KONE UniDrive® operator and the KONE UniDrive® Compact operator for sliding doors.

KONE UniDrive® operators for sliding doors meet and exceed the highest standards of safety, durability and flexibility. They allow the door's operation to be customised from the most basic operational settings to the most advanced. These intelligent door operators can collect and store information and act accordingly. The operator software includes self-diagnostic capabilities, so the door is easy to maintain, adjust and repair. The door operators are also equipped with safety features such as reverse opening if an obstruction is in the way of the opening or closing cycle.

The KONE UniDrive® Compact operator for sliding doors also provides slim design and space efficiency, reducing the need of headroom above the door. This enables a better aesthetic appearance, since the door operator discreetly blends in with the building décor.

KONE sliding door profiles

KONE offers three types of door profile systems to suit your building design:

- KONE 35S, aluminium profile system
- KONE 20S, aluminium profile system (slim profile)
- KONE full glass system

The design of the profiles provides an aesthetically pleasing view of the door and side panel. The KONE 35S door profile can be used in many places for in- and outside doors, and the profile is suitable for various glass types with a maximum thickness of 22 mm. The KONE 20S is a slim profile for 10 or 12 mm toughened glass, and the KONE Full Glass system offers a solution with very thin finishing profiles. In addition to our own profile systems, we can also supply doors with various types of aluminium profiles, glass, steel, wood and even fire-resistant materials.

KONE can also provide the top track/profile, including the door controller and complete mechanism, as a separate component, to be integrated in the design of the façade. The door panels, profiles and installation of the whole door will then be supplied by the façade supplier or contractor, while KONE would commission the complete door. The KONE sliding door mechanism can be adjusted to fit almost any kind of door panel, profiles, materials and dimensions with a maximum thickness of 40 to 50 mm.

KONE fire resistant doors

In the KONE F30/F60 range of fire-resistant single, double and telescopic sliding doors, our single and telescopic doors achieved 93 minutes of fire resistance and 101 minutes of fire radiance, certified by the Dutch Centre for Fire Safety (TNO – Efectis) according to the strict European standard NEN-EN 1634-1, category EW.

Fire-proof safety closing

In case of fire, the self-closing mechanism closes the door independently of the electric power and the door operator. This system can be used in buildings where there is high traffic, and in buildings near flammable materials, such as petrol stations and warehouses.

KONE inside sliding doors

In this solution, the door panel slides into a compartment in the wall. This is a safe, space-saving installation where a conventional solution may not be possible. This product can also be delivered with 30 minutes of fire resistance, or as a hermetically sealed option suitable for example for hospital use.

KONE burglar-proof sliding doors

In places where there is a high risk of burglary or vandalism, KONE burglar-proof sliding doors ensure maximum protection.

KONE break-out sliding doors

For emergency situations, KONE has developed an intelligent, mechanical break-out system for sliding doors, which allows the door to open to its full opening width if an emergency arises.

Escape route sliding door

For emergency situation and escape route doors, KONE has developed an intelligent fail-safe system for sliding doors. This special feature ensures the safe and reliable opening of the door

in all circumstances because of the redundant system with double motor and controllers. Installing the KONE fail-safe system upgrades the building's safety and security. This special door system fulfills the demands for escape route doors as described in DIN18650-1 with a safety classification

- Kat 4 according to EN954
- SIL3 according to IEC61508

Wireless program switch

This small, well-designed program switch can be installed almost anywhere to provide safe, reliable operation and keep the architectural design of building intact.

Quality and service

When you choose KONE products, you get the highest standards in quality, safety, design and durability. KONE door solutions are based on quality materials and expertise achieved during 35 years of experience. These doors meet international regulations and standards, such as CE norms and ISO 9001:2000 and are TÜV approved.

KONE also offers a complete service and maintenance program for the needs of your business. In order to minimise downtime, all spare parts needed to maintain KONE solutions are available from our web-store and will be dispatched usually within 24 hrs.

KONE engineering and manufacturing units are ISO 9001 quality management system and ISO 14001 environmental management system certified.

	KONE UniDrive® operator for sliding doors	KONE UniDrive® Compact operator for sliding doors
Application	For single and double sliding doors, telescopic (2-3-4 or 6 wings), prismatic and curved doors	For single and double sliding doors
Intelligence	KONE Smart Door Technology	KONE Smart Door Technology
Supply voltage	230 VAC, 50/60 Hz, 2 A, 1 Phase	230 VAC, 50/60 Hz, 2 A, 1 Phase
Nominal power consumption	80 VA	80 VA
Dimensions operator (height x depth)	185 x 161 mm	Max. 130 x 133 mm
Door weight	Max. 1 x 180 kg, 2 x 120 kg Option: 1 x 270 kg, 2 x 180 kg	Max. 1 x 100 kg for single door and 2 x 80 kg for double doors
Door width	Depends on the application and door width (max. 5000 mm)	Max. 2 x 1000 mm for double doors and 1 x 1500 mm for single door
Options	Fire resistant, burglar proof, escape route, hermetical sealing and inside options	